



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090499-D

**Mode:** Highway

**Status:** Submitted

### US-17 BUS (Market Street)

**From/Cross Street:** SR 1409 (Military Cutoff Road)

**Specific Improvement Type:** 11 - Access Management

**To:** SR 1402 (Porters Neck Road)

**Project Category:** Statewide Mobility

**Length:** 3.21

**TIP#:** U-4902D

**Fully Funded in Draft STIP?** Yes **Statewide Mobility**

**Cost to NCDOT:** \$6,250,000

#### Description:

Construct Access Management Improvements.

**Division(s):** Division 3

**County(s):** NEW HANOVER

**MPOS(s)/RPO(s):** Wilmington Urban Area MPO

#### Project Location



**Statewide Mobility Total Score: 44.97**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 90.23 Safety (10%) 83.50 Economic Competitiveness (10%) 2.24 Multimodal + [Freight & Military] (20%) 39.79 [Travel Time] Benefit/Cost (30%) 4.57	N/A	N/A
<b>Totals: Weight: 100% Weighted Score: 44.97</b>		

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (25%) 83.50 Multimodal + [Freight & Military] (25%) 39.79 [Travel Time] Benefit/Cost (20%) 4.57	Percent: 15% Points:	Percent: 15% Points:
<b>Totals: Weight: 70% Weighted Score: 31.74</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 90.23 Safety (20%) 83.50 Multimodal + [Freight & Military] (10%) 39.79	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 38.73</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	3.21
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	Yes
Volume (AADT):	39356.63
Capacity:	31700.07
Volume/Capacity Ratio:	1.24
% Autos:	96%
% Trucks:	4%
Truck Volume:	1750.38
Crash Density:	99.78
Crash Severity:	56.14
Critical Crash Rate:	94.6
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	54
Actual Congested Speed:	45
Travel Time Index:	1.1

**Project Benefits**

Project Cross-Section:	4F - 4 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	3.21
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1275467.98
Travel Time Savings for 30 Years (Autos):	1218741.86
Travel Time Savings for 30 Years (Trucks):	56726.12
Long-Term Employment:	19
% Change in Economy:	2.59E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 3	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Wilmington Urban Area MPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$6,000,000	TIP Unit
Right-of-Way Cost:	\$250,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$6,250,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$6,250,000</b>	